

**ABSTRACT OF THE DISCLOSURE**

The present invention relates to a microarray comprising a support having attached to a surface thereof at least one porous layer, wherein the porous layer comprises a hydrophilic binder and polymer particles. The present invention  
5 also relates to a method of using a microarray comprising providing a microarray comprising a support having attached to a surface thereof at least one porous layer, wherein the porous layer comprises a hydrophilic binder and polymer particles; contacting the microarray with biological targets labeled with optical emission tag; and measuring the signals from the optical emission tag.